



Line and Load Interconnection Procedures, Version 2

Effective: 09/04/07

This Business Practice describes the steps and requirements for submitting a **Lines and Loads Interconnection Request (LLIR)**¹. Entities seeking a transmission system interconnection without associated Point-to-Point (PTP) or Network Transmission (NT) Service must submit a **LLIR**².

A. Line & Load Interconnection Request (LLIR)

1. Point-to-Point (PTP) Transmission Service
 - a. All PTP Customers, and other entities seeking a transmission system interconnection without associated PTP or NT Transmission Service, must submit a Lines and Loads Interconnection Request (LLIR) on [BPA Form F6420.25](#) (located on the interconnection website) when requesting a new or modified transmission system interconnection. Submission Procedures below provide information on where to submit the request.
 - b. If the PTP **Customer**³ intends to link its LLIR with a request for PTP Transmission Service it must submit the Transmission Service Request (**TSR**⁴) on the same calendar day of submission of the LLIR, using the new interconnection point requested in the LLIR as the **POD**⁵ in the TSR.
 - c. The TSR must state the request is linked to an Interconnection Request in the Customer Comments field.
 - d. A TSR at an interconnection point where no substation yet exists must include a geographical reference point identified as "NEWPOINT" in the **Source**⁶ or **Sink**⁷ field.

¹A request submitted to Transmission Services on BPA Form F6420.25, Transmission Lines and Loads Connection Information.

²Line & Load Interconnection Request

³Any customer taking service under Use of Facilities (UFT), Formula Power Transmission (FPT), Integration of Resources (IR), Part II or Part III of the OATT.

⁴Transmission Service Request

⁵Point of Delivery is a point on the The Transmission Provider's Transmission System where capacity and energy transmitted by the Provider will be made available to the Receiving Part; An OASIS field on a TSR that is the scheduling POD.

⁶An OASIS field on a TSR that is the contractual POR.

⁷An OASIS field on a TSR that is the contractual POD.

2. Network Integration (NT) Transmission Service

- a. All NT Customers must submit a LLIR on BPA Form F6420.25 when requesting a new or modified transmission system interconnection. The submission procedures below in the Submission Procedures section provide information on where to submit the request.
 - b. Upon evaluation of a LLIR to serve Network **Load Growth**¹ or a **Network Load Transfer**², BPA Transmission Services may reclassify the LLIR as **New Network Load**³ and require the **NT Customer**⁴ to submit a TSR pursuant to step c below.
 - c. NT Customers requesting new facilities to serve New Network Load must submit TSR under the OATT and compete for Available Transfer Capability (**ATC**)⁵.
 - i. A TSR at an interconnection point where no substation yet exists must include a geographical reference point identified as "NEWPOINT" in the Source or Sink field.
 - d. NT Customers requesting facilities to serve Load Growth are exempt from making a TSR under the OATT and from competing for ATC.
 - e. NT Customers wanting to designate new Network Resources in their NT Service Agreements must apply for NT Transmission Service.
 - f. If the NT Customer intends to link its LLIR with a request for NT Transmission Service it must state in the Customer Comment field of the TSR that the request is linked to an Interconnection Request.
3. Consistent with applicable law BPA Transmission Services requires compensation from the Customer to mitigate stranded costs if a new transmission system interconnection will bypass or otherwise strand investment in an existing BPA Transmission Services' facility.
4. The table below is a summary for how interconnection requests are evaluated:

¹Load added to an existing Network Integration (NT) customer's system as a result of increased customer load or transfer of load from another NT customer.

²Transfer of load from one NT customer to another NT customer.

³Load added to an existing NT customer's system as the result of Annexation, Condemnation, Merger, Conversion of Point-to-Point (PTP) Service Agreement to NT Service Agreement, Reduction to Customer Served Load, Request by a Network customer to designate a particular load at discrete points of delivery as Network Load, when the Network Customer had previously elected not to designate that load as Network Load

⁴An entity receiving transmission service under Part III of the OATT.

⁵Available Transfer Capability

Circumstance	L-L-R	Application Tr Services (including Deposit) & Tr Queue Postings Required	Direct Assignment Guidelines Apply	"O-R Test" May Apply	Study Cost Responsibility	Funding of Network Facilities	Tr Credits Apply
PTP, Merchant Line or New NT Service	Yes	Yes	Yes	Yes	Customer	Customer	Yes
New Network Load	Yes	Yes	Yes	Yes	Customer	Customer	Yes
Load Growth for NT Service	Yes	No	Yes	No	BPA Transmission Services ¹	BPA Transmission Services ²	N/A
Convenience Point of Interconnection	Yes	Yes, when applicable	N/A	N/A	Customer	Customer	No
New Network	Yes	Yes	Yes	Yes	Customer	Customer	Yes

Circumstance	L-L-R	Application Tr Services (including Deposit) & Tr Queue Postings Required	Direct Assignment Guidelines Apply	"O-R Test" May Apply	Study Cost Responsibility	Funding of Network Facilities	Tr Credits Apply
Resource							
Network Load Transfer	Yes	No	Yes	No	BPA Transmission Services ³	BPA Transmission Services	N/A

¹ Significant "What if" analysis and studies requested by the Customer will be done at the Customer's expenses.

² Network Upgrades needed to accommodate load growth that is solely caused by a single, large load will be financed by the Customer in exchange for transmission credits.

³ Id.

B. Advance Funding Criteria

1. Customers requesting a transmission interconnection for new service or to serve New Network Load or a Convenience POD are required to provide advance payment to BPA Transmission Services upon execution of a Technical Study Agreement.
2. Where applicable, residual advanced funds shall be progressively applied to the remaining studies required. Any outstanding funds remaining at the completion of the studies will be refunded to the Customer.

C. Submission Procedures

1. To request a transmission interconnection, the Customer must submit its LLIR by one of the following mechanisms below:

US Postal Service	Bonneville Power Administration Transmission Marketing and Sales - TSE-TPP-2, P.O. Box 61409, Vancouver, WA 98666-1409
Overnight Delivery Service (physical delivery: UPS, Fed Ex, etc.)	Bonneville Power Administration Transmission TSE-TPP-2 7500 NE 41st St, Suite 130 Vancouver, WA 98662-7905
Facsimile (fax)	(360) 619-6940 A cover page specifying the number of requests and the total number of pages should accompany requests submitted by fax. BPA Transmission Services is not responsible for the failure of fax transmissions.
Email	Submit LLIRs to: Interconnection@bpa.gov Important: Enter "LLIR" as the Subject Line of the email. BPA Transmission Services will not accept an LLIR that is sent by email to other BPA Transmission Services email addresses. Emails sent to other email addresses will not be entered into the Interconnection Queue.

Note: An LLIR transmitted by fax or email must be followed by a hardcopy to be received by BPA Transmission Services within five Business Days of the faxed or emailed request. If the hardcopy is not received, the request will be removed from the Interconnection Queue.

D. Processing the LLIR

1. Queue time of an LLIR is determined by the timestamp when BPA Transmission Services receives the LLIR determined as follows:

- a. Email: the time that the email is received in the Interconnection mailbox
 - b. Fax: the time stamp on the fax
 - c. Mail: the time stamp when the request is opened
 - d. Overnight Delivery Service: time when the request is delivered to the BPA mailroom
2. BPA Transmission Services posts LLIR information to its Interconnection Queue located on BPA Transmission Services; web site at:
http://transmission.bpa.gov/business/generation_interconnection/
3. The type of service will specify “Line and Load Interconnection” if no separate transmission service is requested. In such case, only the POD associated with the LLIR will be posted.
4. Within 15 Business Days following receipt of the LLIR , BPA Transmission Services will provide the Customer with:
 - a. Acknowledgement of receipt of the LLIR
 - b. Notification of any deficiencies in the LLIR

E. Line & Load Interconnection System Impact Study (LLISIS)

1. Within 30 calendar days following receipt of a valid LLIR, BPA Transmission Services will provide the Customer with:
 - a. LLISIS Agreement
 - b. A non-binding, good faith estimate of the costs, if applicable
 - c. Estimated timeframe for completing the LLISIS
2. Within 30 calendar days following receipt of a valid LLIR, BPA Transmission Services will provide the Customer with:
 - a. Notification that an environmental study is required, if applicable
 - b. **Environmental Study Agreement¹**, if applicable
 - c. If BPA Transmission Services determines that an LLISIS is not necessary it will provide the Customer with an LLIFS Agreement pursuant to LLIFS section below.

¹An agreement between the customer and BPA identifying the National Environmental Policy Act (NEPA) required documentation BPA will produce and customer terms for compliance, including participation in public meetings, requirement to exercise due diligence in completing required NEPA studies and activities, and terms for termination and or severance of studies, processes. Federal law requires that BPA comply with NEPA and prohibits BPA from committing to construction agreements for interconnections until NEPA requirements are satisfied.

3. No later than 15 Business Days after receipt of the LLISIS Agreement, the Customer will provide BPA Transmission Services the following:
 - a. Executed LLISIS Agreement
 - b. LLISIS advanced funds equal to the estimate provided by BPA Transmission Services, if applicable
 - c. Executed Environmental Study Agreement, if applicable
 - d. Environmental Study Advance Funds, if applicable
4. BPA Transmission Services will use reasonable efforts to complete the LLISIS no later than 60 calendar days from the receipt of the executed LLISIS Agreement.
5. Upon completion of the LLISIS, BPA Transmission Services will provide the Customer with a written LLISIS report and supporting documentation.

F. NEPA Study

1. If an environmental review is required, BPA Transmission Services will offer the Customer an Environmental Study Agreement (ESA) when the scope is determined.
2. The ESA may be modified as the Customer's request is refined and additional environmental review tasks are identified.
3. If all other requirements have been met, upon completion and approval to proceed pursuant to the decision reached under the ESA, BPA Transmission Services will offer the Customer a **Construction Agreement**¹, if needed.

G. Line & Load Interconnection Facilities Study (LLIFS)

1. Within 30 calendar days after a completed LLIFS report BPA Transmission Services will provide the Customer with the following:
 - a. LLIFS agreement
 - b. A non-binding, good faith estimate of the costs, if applicable.
 - c. Estimated timeframe for completing the LLIFS
 - d. Notification that an environmental study is required, if applicable
 - e. Environmental Study Agreement, if applicable

¹An agreement between the customer and Transmission Services to construct Transmission System upgrades and/or additions, including those to local area systems, main grid and/or sub-grid modifications, when those upgrades and/or additions are required before transmission service can be offered. This agreement may be offered before or concurrent with a Service Agreement.

2. No later than 15 Business Days after receipt of the LLIFS Agreement, the Customer will provide BPA Transmission Services the following:
 - a. Executed LLIFS Agreement
 - b. LLIFS advance funds equal to the estimate provided by BPA Transmission Services if applicable
 - c. Executed Environmental Study Agreement, if applicable
 - d. Environmental Study Advance Funds, if applicable
3. BPA Transmission Services will use reasonable efforts to complete the LLIFS within 60 calendar days of receipt of the executed LLIFS Agreement.
4. Upon completion of the LLIFS, BPA Transmission Services will provide the Customer with the written LLIFS report.
5. Upon completion of the LLIFS, BPA Transmission Services will refund any outstanding advance funds.

H. Construction Agreement

1. BPA Transmission Services will offer the Customer a Construction Agreement within 60 calendar days of the later of:
 - a. Completion of any [NEPA](#)¹ process, if applicable, or
 - b. Completion of the LLIFS report.
2. No later than 15 Business Days after receipt of the Construction Agreement, the Customer will provide BPA Transmission Services an executed Construction Agreement. Failure to return the Construction Agreement within the timeframe may result in the Customer's request being subject to re-consideration of the construction and energizing timelines.

I. Additional Information

Policy References

- [OATT](#): Sections 13.5, 15.2, 15.4, 17.6.1, 19, 28.2, 29.4, 29.6, 32, Attachment D
- [Technical Requirements for Interconnection to the BPA Transmission Grid](#)
- Customer Service Policy, July 1, 1984

Related Business Practices

- New Customer Application Process
- Guidelines for Direct Assignment

Version History

Version 2	<p>09/04/07 Version 2 includes the following changes:</p> <ul style="list-style-type: none">• Incorporated CBPI Bulletin 19 - Processing of Long-Term Firm Point-to-Point (PTP) Transmission Service Requests with OASIS² Implementation, Version 4, CBPI Bulletin 27 - Processing Network Integration Transmission Services (NT) Applications• Step 3.1.2 - Deleted "an Application for" and replaced with "Request TSR" and replaced "within 24 hours" with "on same calendar day" because Transmission Services must receive the request for transmission service and interconnection on the same calendar day.• Step 3.1.3 - Added language requesting customer to identify in its TSR under the customer comment field that the request is linked to the LLIR.• Step 3.1.4 - Added language instructing customer to insert "NEW POINT" in the TSR if there is no interconnection point.• Step 3.2.3.1 - Added language instructing customer to insert "NEW POINT" in the TSR if there is no interconnection point.• Step 3.2.6 - Added language instructing customer to identify in its TSR under the customer
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¹National Environmental Policy Act

²Open Access Same-Time Information System

	<p>comment field that the request is linked to the LLIR.</p> <ul style="list-style-type: none"> • Step 3.4 - Table 1 revisions: <ul style="list-style-type: none"> o Footnote 1 has been reworded to clarify that when a customer requests Transmission Services to study significant scenarios related to line/load interconnections, they are responsible for the study costs associated with generating these scenarios. o Footnote 2 has been added to clarify that if a Network Upgrade is needed to accommodate load growth due to a single, large load; the customer will be responsible for financing the cost of the upgrade and will be repaid with transmission credits. <p>The following sections and/or steps of this Business Practice were revised to incorporate non-CBPI related revisions:</p> <ul style="list-style-type: none"> • Step 5.4.2 - Deleted note that Customer will be notified automatically. BPA Cyber Security¹ removed this function for security reasons. • Step 8.1 - Deleted timeline for when Transmission Services will offer customer an Environmental Study Agreement. • Deleted Attachment A - Customer should refer to the Technical Requirements for Interconnection to the BPA Transmission Grid”, BPA Document Number DOE/BP-3624, 15 June 2005, page 43. Transmission Services also replaced the following terms throughout the Business Practice: <ul style="list-style-type: none"> • TBL is now referred to as Transmission Services • Section is now referred to as Step • Tariff is now referred to as OATT
Version 1	<p>3/2/07 This document provides instructions for customers requesting a new line and/or load interconnection. Instructions for Point to Point (PTP) Transmission Service requests are provided separately from those for Network Integration (NT) Transmission Service requests to provide product-specific guidance on line or load interconnections associated with Open Access Transmission Services offered by BPA Transmission Services. This document also provides information on how the interconnection facilities and associated studies will be funded, and how transmission availability is considered. Procedures for requesting new generation interconnections will not change. (See Large Generation Interconnection Business Practice).</p>

¹Letter of Credit, deposit into an Escrow Account or cash deposit with BPA that the customer will establish in accordance with the Network Open Season business practice.